Underwater Acoustics: 2020 DOSITS Webinar Series

How are Passive Acoustics Data Used to Inform the Decision-Making Process?
Thursday, October 22, 2020 at 12pm ET
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Webinar Outline:

- Introduction to Passive Acoustic Monitoring
  - Passive vs. Active Acoustics
- How does Passive Acoustic Data help with Decision Making?
- Passive Acoustic Data Types
- Passive Acoustic Data Questions and Capabilities
  - Presence/Absence Methods and Questions
    - Application of Presence/Absence Data to Decision Making
- Behavior Methods and Questions
  - Application of Behavioral Data to Decision Making
- Localizing/Tracking Individuals Methods and Questions
  - Application of Localized/Tracked Animals to Decision Making
- Estimation of Abundance/Density
  - Application of Abundance/Density Estimates to Decision Making
- Using Acoustic Tags
  - Application of Acoustic Tag Data to Decision Making
- Examples of Decision-Making Tools utilized by Government Agencies
  - NMFS, Navy, BOEM all use different tools to assess impacts

DOSITS Links:

Science of Sound > How do people and animals use sound in the sea?
https://dosits.org/science/sounds-in-the-sea/people-animals-use/

People and Sound > How is sound used to measure marine mammal abundance?

People and Sound > How is sound used to study marine mammal distribution?

People and Sound > How is sound used to protect marine mammals?

People and Sound > How is sound used to study the distribution of marine fishes?

Technology Gallery > Passive Acoustic Recording Tags
Technology Gallery > Archival Marine Acoustic Recording Units

Technology Gallery > Real-time Passive Acoustic Sensors